Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/01/2019 12:15 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125357	0	2.64	125404	2.60
Blue	F	SSC	125000	124186	-1	4.49	124984	4.49
Blue	E	FITC	16694	16395	-2	4.19	383	22.07
Blue	D	PE	32792	32169	-2	3.50	710	16.47
Blue	B	PerCP-Cy5-5	44451	44468	0	4.96	1215	23.37
Blue	A	PE-Cy7	33645	33546	-1	7.41	606	48.59
Red	C	APC	47008	46594	-1	3.12	1802	13.52
Red	A	APC-Cy7	32298	31640	-3	3.05	794	14.22
Violet	B	V450	8961	8613	-4	5.09	514	20.02
Violet	A	V500	32726	31481	-4	4.71	768	11.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21022	5.06	611	-2	N/A	N/A	Pass
Blue	F	SSC	56374	3.95	584	16	N/A	N/A	Pass
Blue	E	FITC	64	70.76	568	5	0.0151	110	Pass
Blue	D	PE	140	58.69	572	6	0.1342	312	Pass
Blue	B	PerCP-Cy5-5	223	56.20	678	7	0.0071	36	Pass
Blue	A	PE-Cy7	119	121.14	732	6	0.0088	28	Pass
Red	C	APC	413	29.05	613	0	0.0189	147	Pass
Red	A	APC-Cy7	195	32.03	583	-2	0.0045	1044	Pass
Violet	B	V450	97	64.25	482	-4	0.0126	789	Pass
Violet	A	V500	114	36.71	492	-4	0.0173	705	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.08	-32.39	1.09
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	17.55	13.60 - 20.40	N/A	N/A	29.17	29.86	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10872

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments